



Corporate Overview

January 2025



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This presentation contains, or incorporates by reference, “forward-looking information” within the meaning of applicable U.S. securities laws, rules and regulations. Forward-looking information may include, but is not limited to, statements with respect to the future performance of Atlas Lithium Corporation and its subsidiaries (together, “Atlas Lithium” or the “Company”), the Company’s mineral properties, the future price of lithium and other minerals, the mineralization of the Company’s properties, results of exploration activities and studies, the realization of mineral resource estimates, exploration activities, costs and timing of the development of new deposits, the results of future exploration and drilling, management’s skill and knowledge with respect to the exploration and development of mining properties in Brazil, the Company’s ability to raise adequate financing; government regulation of mining operations and exploration operations, timing and receipt of approvals and licenses under mineral legislation, and environmental risks. There may be other factors that cause actions, events or results to differ from those anticipated, estimated or intended. Forward looking statements contained herein are made as of the date of this presentation. There can be no assurance that forward-looking statements will prove to be accurate, as actual results and future events could differ materially from those anticipated in such statements. The reader should not place undue reliance on these forward-looking statements, as there can be no assurances that the plans, initiatives or expectations upon which they are based will materialize. Information in this presentation relating to other companies are from public sources believed to be reliable but that have not been independently verified by the Company. Note that sampling results are not necessarily representative of the likelihood of mineralization of a project. Readers are cautioned that disclosure of any potential grades is conceptual in nature; there has been insufficient exploration by Atlas Lithium at its Minas Gerais Lithium Project to define a mineral resource or mineral reserve estimate. This presentation and any oral presentation accompanying it shall not constitute an offer to sell or a solicitation of an offer to buy any securities of the Company or as an inducement to make an offer or invitation with respect to any securities.

Qualified Person’s Statement

Unless otherwise indicated, the scientific and technical information in this presentation has been reviewed and approved by Areli Nogueira, who is a Qualified Person for Lithium as such term is defined in Item 1300 of the U.S.’s Regulation S-K. Areli Nogueira is the Vice President of Mineral Exploration for Atlas Lithium.

Key Stock Highlights



Ticker	Units	Nasdaq: ATLX
Share Price	US\$	6.47
Outstanding Shares	#	16,014,742
Market Cap	US\$ mm	103.6
52-Week High	US\$	24.72
52-Week Low	US\$	6.12

Select Institutional Shareholders



Analyst Coverage

Firm	Analyst	Recommendation	Target Price (US\$)
AGP	Jake Sekelsky	Buy	45.00
HCW H.C. WAINWRIGHT & CO.	Heiko F. Ihle	Buy	19.00
ROTH · MKM	Joe Reagor	Buy	19.00

Source: Company Financial Reports, FactSet (23-January-2025)

Summary Highlights of Minas Gerais Lithium Project



1

Positioned to Become a Very Low-Cost Producer – Open-pit mining, Brazil's low mining costs

2

Expedited Timeline to Production – Permits in place, modular processing plant shipping to Brazil on January 31, 2025

3

Largest Hard-Rock Lithium Exploration Portfolio in Brazil – Premier lithium jurisdiction with high-quality spodumene and favorable infrastructure

4

Strong Metallurgical Results – Proven potential for high-quality lithium concentrate

5

Incentivized Management Team – Management owns ~33% of the company; fully aligned for success

6

Committed Offtake Pre-Payments – Tier 1 lithium supply chain buyers sourcing product

Atlas Lithium Minas Gerais Lithium Project



**Permitted Project with
Clear Path to Production**



**Highly Supportive
Jurisdiction with Proven
Lithium Potential**



**Promising Drilling &
Metallurgical Results**



**Strong ESG Credentials
with Clear Environmental
and Social Benefits**



**Additional Exploration
Upside Supporting
Phase II Expansion**



Minas Gerais
Lithium Project

468 km²

Minas Gerais Lithium
Project Area

5.23% Li₂O

Top Intersect Grade at
9 Meters Depth

~150ktpa

Spodumene Concentrate
Targeted Production
for Phase I

Strategic Partnerships with Tier 1 Global Partners



Dec-23

Strategic Investment and Pre-payment Offtake Agreement with Chengxin / Yahua



BYD supplier

US\$10mm
In common
shares
acquired
(received)

US\$40mm
Prepayment for
the offtake of
80% of phase 1
(expected)

120_k¹
Phase 1 lithium
concentrate
offtake



Tesla supplier

Mar-24

Strategic Investment and Offtake Agreement with Mitsui & Co.



*Global powerhouse; largest
shareholder of Mitsui is
Warren Buffett's Berkshire
Hathaway*

US\$30mm
In common
shares
acquired
(received)

15_k tons
Phase 1 lithium
concentrate
offtake

60_k tons / y²
Phase 2 lithium
concentrate
offtake



Large global partners
validate Atlas Lithium's
business model, assets, and
team

US\$80mm in Total Investment:



- **US\$40mm in Atlas Lithium stock purchases** (received)
- **US\$40mm in lithium product pre-payment** (expected)

Source: Company's Filings

Note: ¹ Total amount of lithium divided equally between partners (60k tons for each). ² For a period of five years

Neves Project Has Already Received All Permits Needed to Assemble its Processing Plant and Operate

The permit allows for the assemble and operation of its lithium processing plant, to process mined ore from one of its deposits at the facility, and to sell the lithium concentrate that it produces



Permitting approval in just over year demonstrates management efficiency and capability in navigating in government approval processes



Marc Fogassa
Chairman & CEO

"We are thrilled with today's announcement, as permitting is widely considered the most critical risk in any mining project. Atlas Lithium's permit reflects fourteen months of our team's meticulous work throughout the licensing process (...). This milestone marks a key step for us towards becoming a lithium producer and advances Atlas Lithium into the next phase of our growth trajectory"



Rodrigo Menck
Director

"We are committed to being a responsible corporate citizen for all our stakeholders. With the news provided today, and as the Neves Project proceeds towards implantation and operation, Atlas Lithium will create hundreds of local jobs in the Vale do Jequitinhonha area of Minas Gerais. Additionally, our lithium processing plant is engineered to possibly achieve the smallest environmental footprint in its class"

Experienced Management Team



Marc Fogassa
Chairman & CEO

- ✓ Fluent in Portuguese, the language of Brazil, where projects are located
- ✓ MIT, double-major undergraduate; Harvard MBA



Tiago Miranda
CFO & Treasurer

- ✓ 18-yr experience in finance/accounting
- ✓ Previously Financial Controller of Ferrous Resources (\$550M M&A with Vale) and Equinox Gold Brazil; Finance Director of Horizonte Minerals (\$650M Project Finance)



Lili Wu
Head of Business Development, Asia

- ✓ Over 15 years of experience in the lithium and battery materials industry
- ✓ Previously Global Principal Lithium Analyst at IHS Markit (now part of S&P Global)
- ✓ Native Mandarin Chinese speaker with extensive networks across Asian markets



Areli Nogueira
VP, Mineral Exploration

- ✓ Founder and former Chief Technical Officer of MineXplore
- ✓ Analyst at the Brazilian mining department



Gary Guyton
VP, Investor Relations

- ✓ Over a decade of experience in investor relations
- ✓ Previously Director of IR at Comstock Resources, overseeing \$4B in M&A transactions
- ✓ Extensive relationships with institutional investors and sell-side analysts



World-Class Technical Team



Eduardo Queiroz

VP, Engineering & PMO

- ✓ Over 20 years of experience managing complex, large-scale mining projects
- ✓ Previously General Manager of Planning and Management at Bamin (Eurasian Resources Group), managing projects over US\$3 billion
- ✓ Expertise in engineering oversight, environmental compliance, and risk management



Raimundo Almeida

VP, Lithium Processing

- ✓ 14 years of hands-on experience with lithium ores
- ✓ Managed first flotation pilot plant for AMG Mining
- ✓ Oversaw commissioning and operations of DMS pilot plant for Sigma Lithium



James Schloffer

Lithium Processing Manager

- ✓ 15 years of experience in mining and metals industry, specializing in lithium processing
- ✓ Key roles in major lithium projects including Mt Marion, Bald Hill, and Sigma Lithium
- ✓ Global experience spanning Middle East, Americas, Europe, and Australia



Board of Directors



Marc Fogassa
Chairman & CEO



Rodrigo Menck
Director

- ✓ Previously was CFO of Sigma Lithium and Nexa Resources
- ✓ Has more than 20 years of experience in the Financial Markets and Natural Resources



Roger Noriega
Independent Director

- ✓ Nominated by President George W. Bush Assistant Secretary of State
- ✓ Founder and managing director of Visión Américas



Cassi Olson, Esq.
Independent Director

- ✓ Extensive experience in global contracts and venture transactions
- ✓ Attorney, Ellenoff Grossman & Schole LLP



Stephen Petersen, CFA
Independent Director

- ✓ 32-yr career at Fidelity serving as portfolio manager of multiple equity funds
- ✓ Managing director at Prior Wealth, \$3B in assets under management

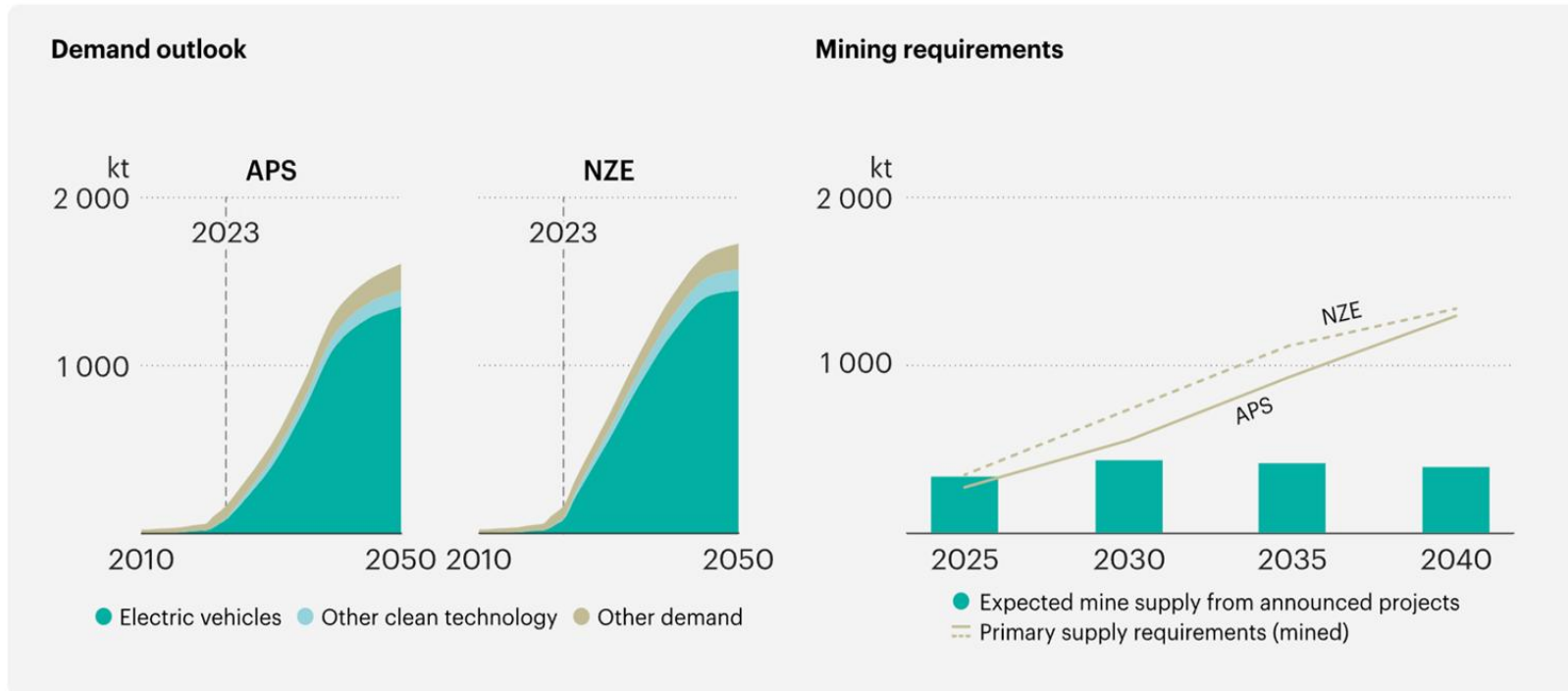


Favorable Structural Fundamentals Supporting Lithium Demand



Lithium Demand

Source: International Energy Agency (May 2024)



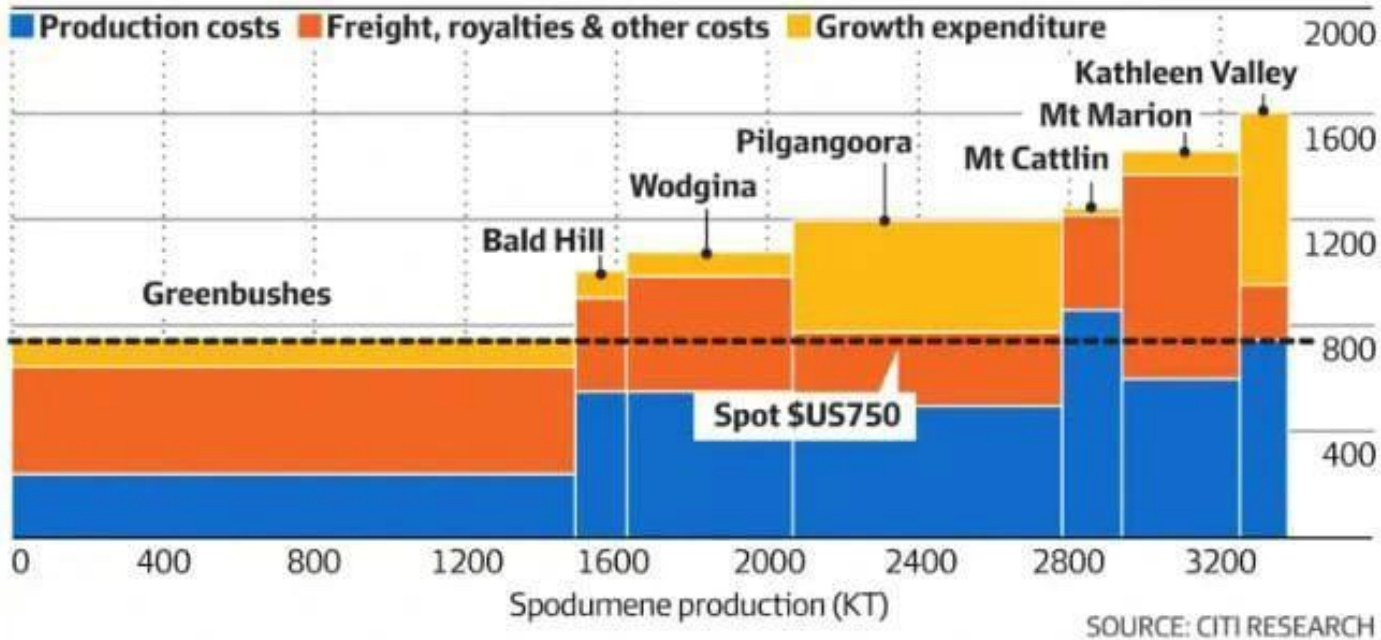
- McKinsey and the Global Battery Alliance forecast a 27% compound annual growth rate (CAGR) on demand for Lithium-ion batteries, reaching 4,700 GWh by 2030
- Woodmack forecasts USA EV sales will grow 643% from 2022 to 2030
- ✓ Will more than double its participation in global EV sales (9.0% to 18.5%)

Milestones (APS)	2021	2023	2030	2040
Cleantech demand (kt)	38	92	442	1 203
Other uses (kt)	63	73	90	123
Total demand (kt)	101	165	531	1 326

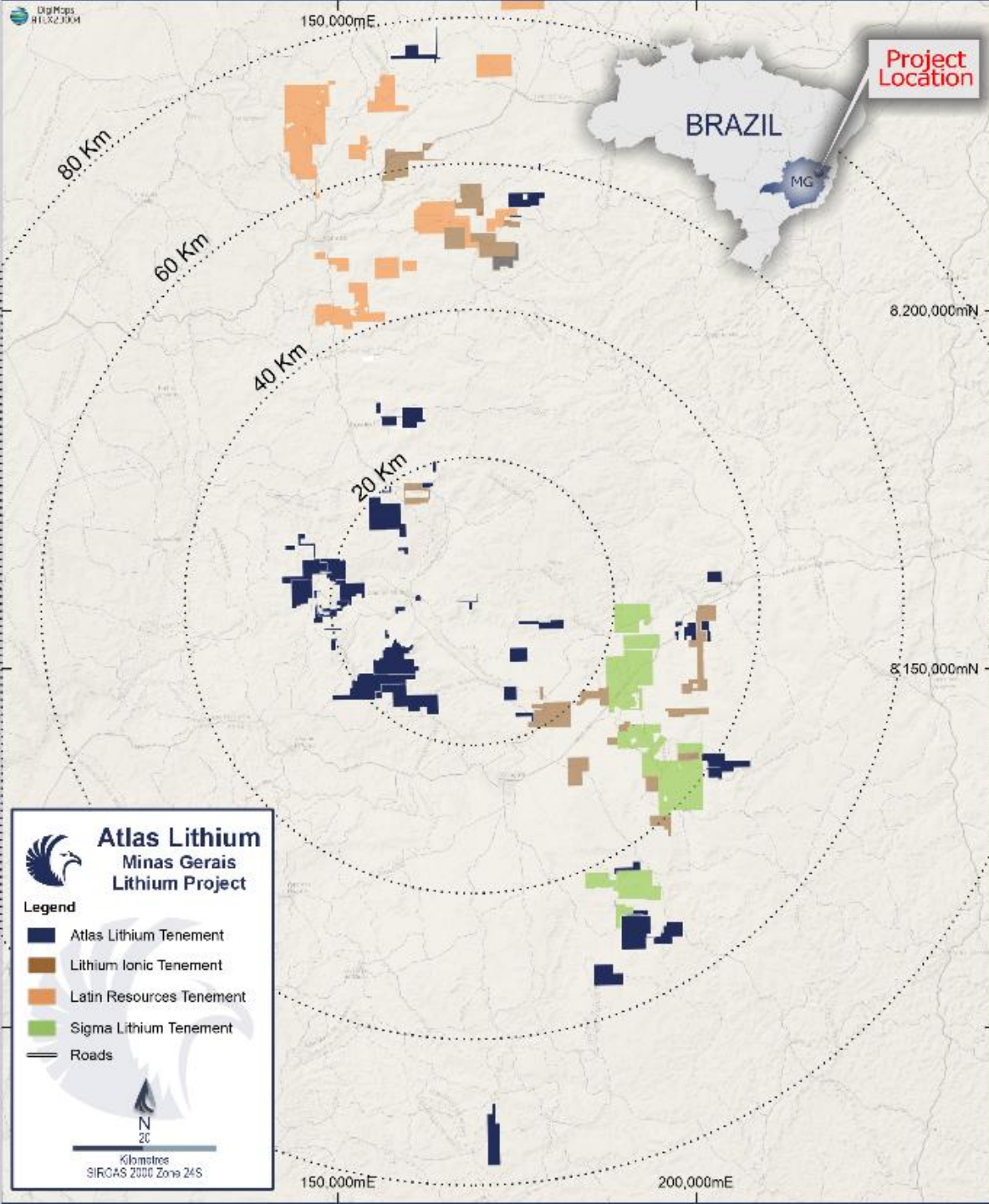
Low-Cost Production: Key to Long-Term Success



Spodumene price, FY25 all-in cost curve (\$US/tonne)



- Atlas Lithium holds several promising deposits one of which is projected to have production costs in the mid-US\$400/tonne range
- Brazil's advantages include year-round mining operations, lower labor costs, and a supportive government
- Brazil's lithium industry outperforms Australian producers on costs; Pilbara Mineral's US\$370M acquisition of a Brazilian lithium explorer in August 2024 highlights our region's importance



Neighboring Minas Gerais Site



- ✓ Atlas Lithium holds **85** mineral rights spread over **468 km²**
- ✓ Several of these mineral rights are adjacent to Sigma Lithium Corporation, a lithium producer in Brazil's Lithium Valley

Source: Agência Nacional de Mineração, the Brazilian Mining Department

Note: The details of projects near or adjacent to the Company's projects are set out for information purposes only and not a guarantee or an indication of the productivity or the geology of the Company's projects.

Highly Attractive Location

Located in Brazil's Lithium Valley, a premier lithium jurisdiction with high quality spodumene deposits, efficient permitting process and favorable infrastructure



Resource Potential to Support Large Scale Operations

- ✓ *The Brazilian Geological Service (CPRM) suggested that the region has at least 45 lithium deposits*
- ✓ *Adjacent to operational lithium mines in the region such as Sigma Lithium and CBL*



Licensing Fast Track to Speed up Project Execution – Atlas with Permits in Place

- ✓ *Minas Gerais government created a fast-track process, under the InvestMinas Program, to facilitate project development and allow for licensing to be given within 6 months*
- ✓ *Mining friendly jurisdiction: 300+ operating mines in the state of Minas Gerais*



Favorable Infrastructure

- ✓ *Access to abundant renewable & clean energy sources and highway roads directly connected to intercontinental ports to supply main markets*

Highest ESG Standards with Clear Environmental and Social Benefits



Green Process, Product Quality and Ongoing Initiatives Highlights Clear Carbon Footprint Benefits within the Project



Targeting Use of **Renewable Energy Source**



100% Dry Process with **No Tailings Dams**



Use of **Recycled Water**



Concentration Process with **No Hazardous Chemicals**



Supply the Battery Industry to **Support Energy Transition Globally**



Planted over 6,000 Trees of Diverse Types to Benefit Local Population



Clear Benefits to the Local Community

- ✓ *Private and public partnership to support **development of the region, among the poorest in the state of Minas Gerais***
- ✓ ***Creation of jobs** to benefit population of Vale do Jequitinhonha*
- ✓ ***Infrastructure projects** to benefit the Vale do Jequitinhonha **improving living conditions and reducing inequality***

Promising Drilling and Metallurgical Results



Neves Project Drilling

- ✓ Within the Neves Project area, **84 pegmatite outcrops have been mapped and sampled** so far
- ✓ Promising lithium-bearing areas identified **near the surface, expanding mining prospects**
- ✓ >80,000 meters drilled with some targets yielding **intersects of up to 5.23% Li_2O**
- ✓ Drill holes reveal **significant mineralized spodumene at shallow depths**, with potential for open pit mining



Metallurgical Tests

- ✓ Metallurgical Testwork at SGS laboratory using **HLS** showed ability to concentrate our lithium samples to **7.22% Li_2O grade**, while composite grade was **1.53% Li_2O , mainly as spodumene**
 - HLS projections were confirmed in a short continuous DMS pilot plant campaign
- ✓ DMS plus magnetic separation on the 2nd pass DMS sinks produced a **final spodumene concentrate grading of 6.04% Li_2O with only 0.53% Fe_2O_3**
- ✓ Lithium recovery rates ranged **between 70% and 85%**
- ✓ Results were achieved **without the use of flotation technique**



Exploration Upside at Neves Project

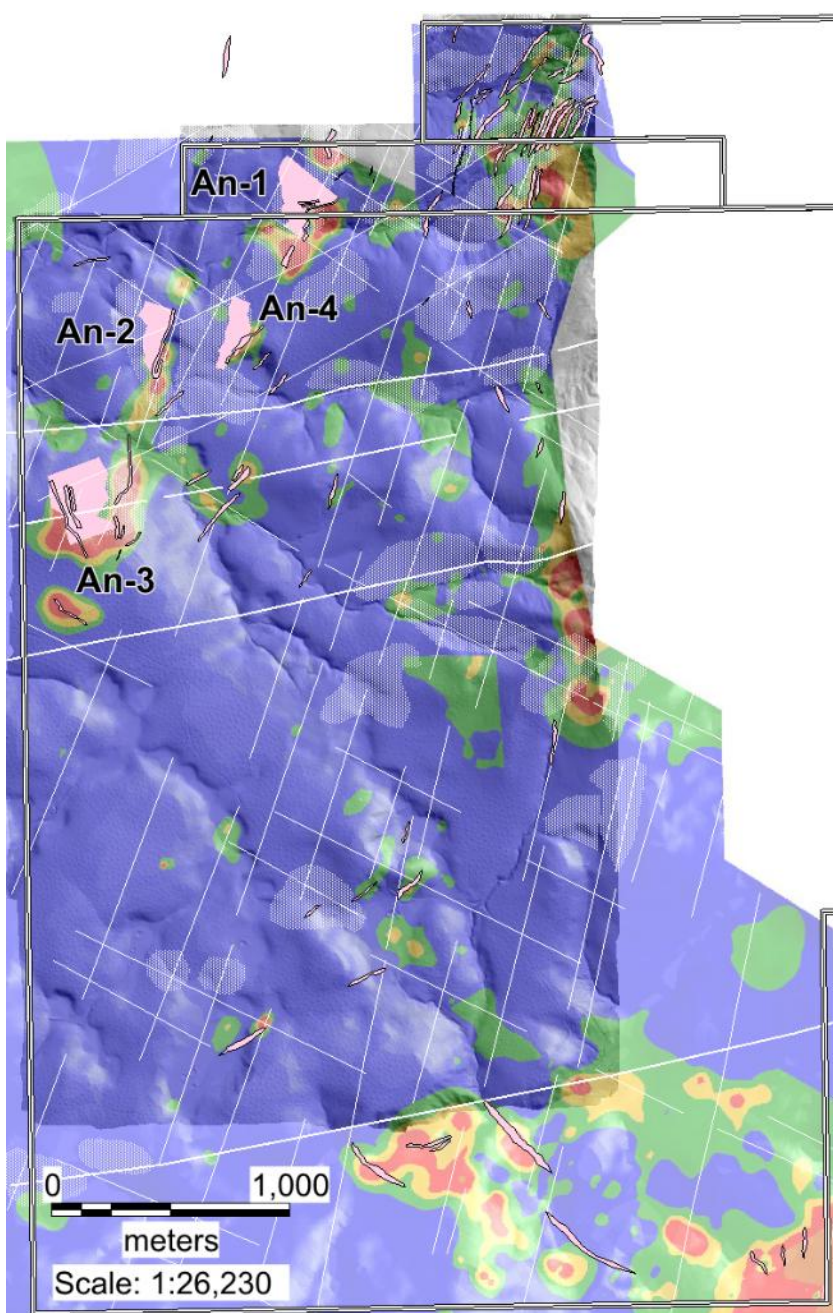


Several promising targets already identified in the Neves region, with potential to support the development of Phase II and extend LOM

84 pegmatite outcrops have been mapped and sampled

The Project Area has now been covered by:

- Detailed hyperspectral satellite and drone LiDAR mapping to aid in faster pegmatite discovery;
- Geological mapping and rock sampling, including K/Rb ratio analysis, to improve target prioritization;
- Closely spaced soil sampling grids, with over 4,500 samples taken to date, to highlight Li (>100ppm threshold) and LCT pegmatite pathfinder anomalies for drill testing;
- High-resolution drone geophysics surveys, including magnetics and radiometrics, to assist with mapping and drill targeting.



Soil sampling lithium anomaly map in relation to mapped pegmatites (pink), the mineralized Anitta pegmatites, topography, and structural geophysics data.

8,114,800mN

8,115,000mN

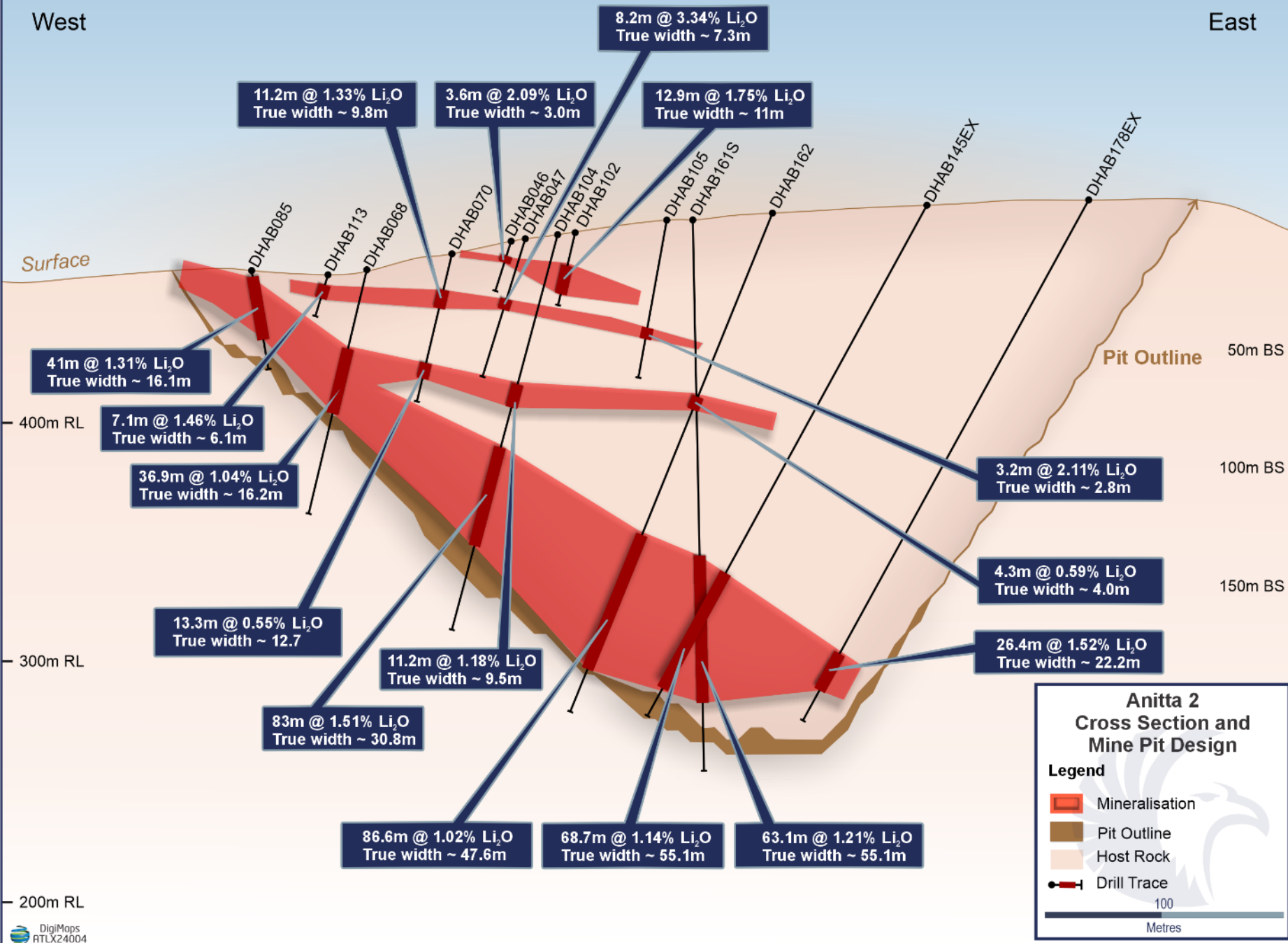
8,115,200mN

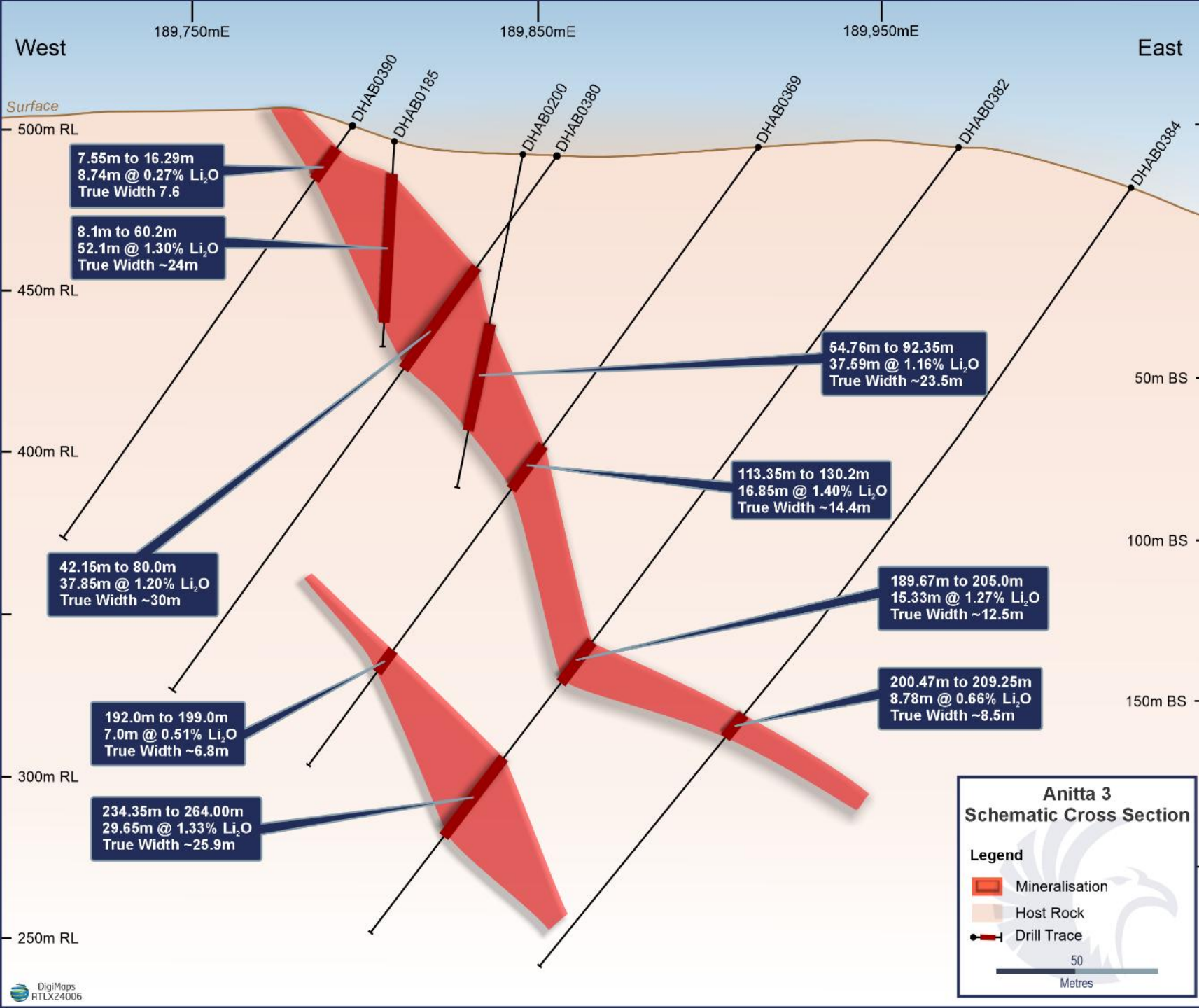
West

East

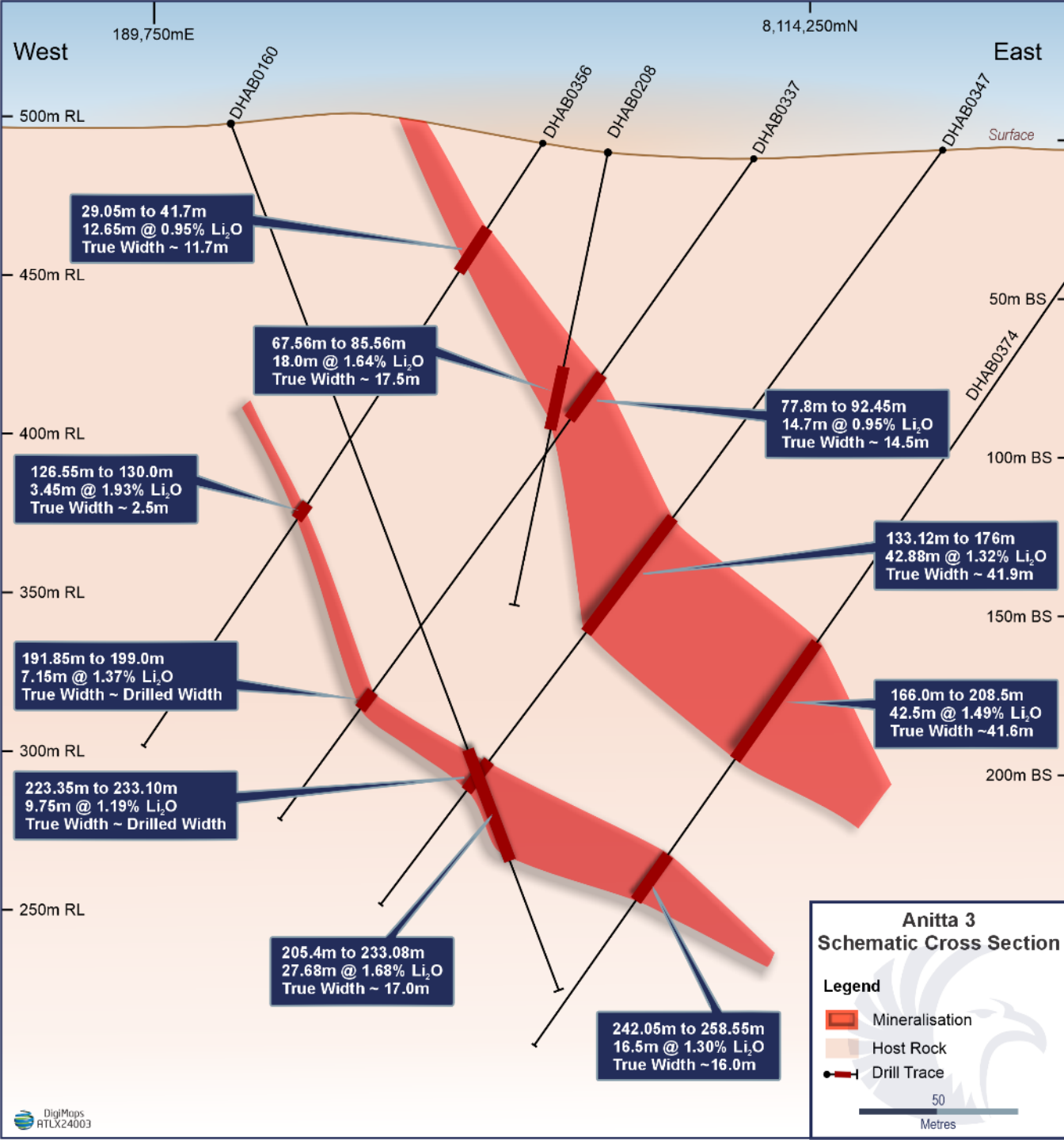


Anitta 2 Cross Section and Pit

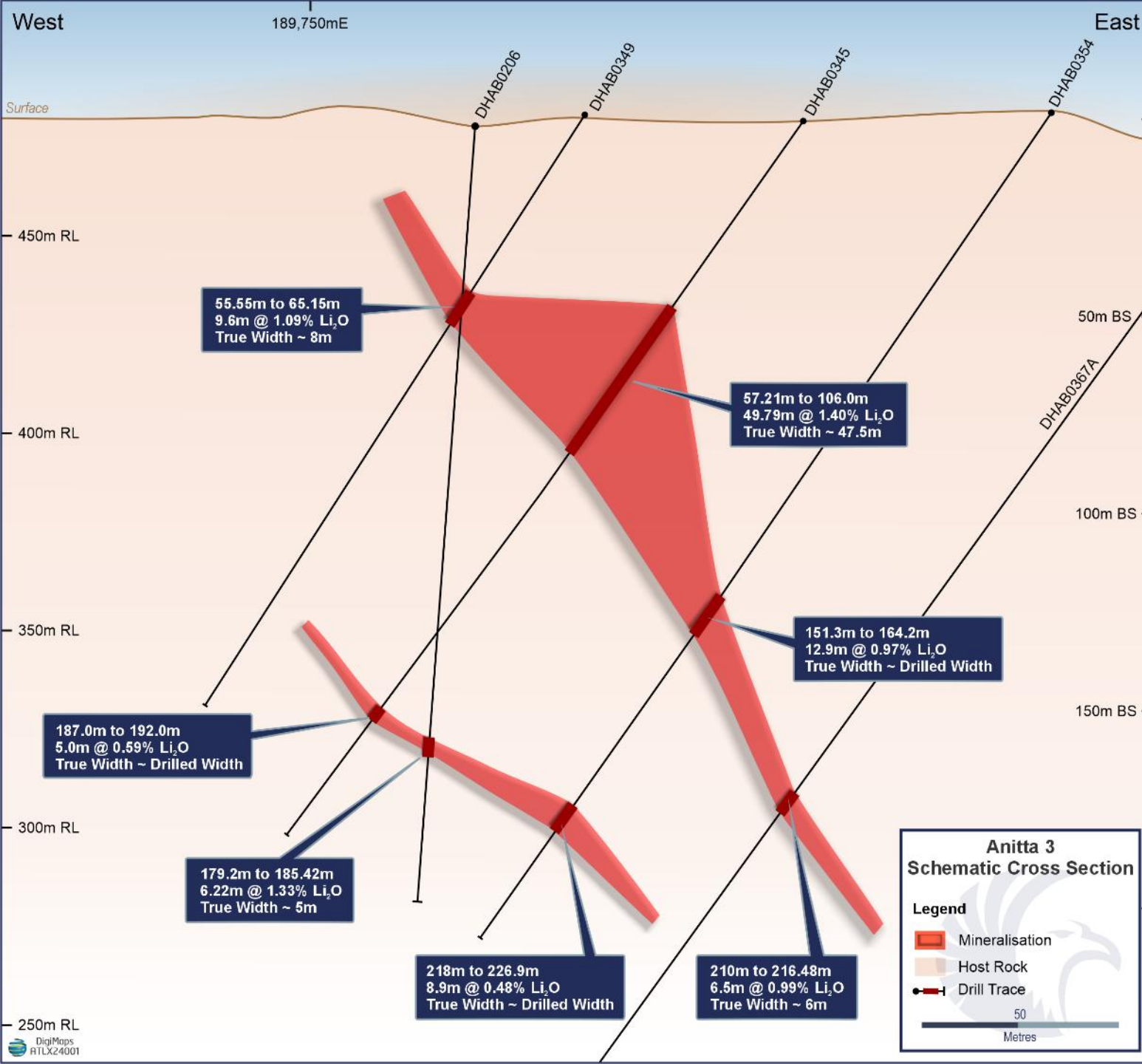




Anitta 3 Cross Section 1/3



Anitta 3 Cross Section 2/3



Anitta 3 Cross Section ^{3/3}

Modular Plant Trial Assembly



Atlas Lithium's Modular Processing Plant is Shipping to Brazil on **January 31, 2025**

- ✓ *The efficient modular plant design, first for Brazil's lithium industry, streamlines transportation, installation, and commissioning*
- ✓ *Expedited construction of the modular processing plant is a key step in Atlas Lithium's strategy with ability to rapidly advance to production*

Appendix A

*Photos: Atlas Lithium's Modular DMS Plant Readied
for Shipment to Brazil on January 31, 2025*


















Investor Relations

Gary Guyton

Vice President, Investor Relations

gary.guyton@atlas-lithium.com

 (833) 661-7900

 atlas-lithium.com

 @Atlas_Lithium

 [LinkedIn](#)

